

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: rcmorris@mars.ark.com (ray)
Subject: --WTB Heath Coax Sw. parts--
Message-ID: <199610211932.MAA29713@mars.ark.com>

Greetings Group,

I've got to hook up my newly repaired Adventurer to my AE system.
I've got the remote control for a Heath SA1480 remote coax switch but
don't have the antenna relay portion of the system. Anyone have the
antenna mast portion of this system they want to sell???

TIA and 73 from Vancouver Island.
Ray. VE7FBJ. rcmorris@mars.ark.com

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: Spencer Petri <spetri@e-tex.com>
Subject: Re: 1N929
Message-ID: <m0vF9lH-0002EyC@e-tex.com>

This must not be a TD.

According to my diode D.A.T.A.BOOK it's not listed in the TD section. Has
peculiar specs tho'.

73 de Pete WA5JCI

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: howellh@winthrop.edu
Subject: 390A box
Message-ID: <96102109483168@winthrop.edu>

WINTHROP UNIVERSITY

Electronic Mail Message
Date: 21-Oct-1996 09:44am EDT
From: Haney Howell
HOWELLH
Dept: Mass Communication
Tel No: 323-4534

TO: Remote Addressee (_smtp%"boatanchors@theporch.com")

Subject: 390A box

When I purchased my latest 390A, the seller threw in an interesting box. It is a self-powered switch box, with inputs for two receivers. It allows you to switch between receivers, mix them (diversity?) and whatever. This one has one cable with connector to a receiver. There is no identification on the panel (it appears to be a rack mount unit) but it has picqued my curiosity.

Any guesses?

haney no2n <howellh@winthrop.edu>

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: spr@earthlink.net (Scott Robinson)
Subject: RE: 5AR4 tubes
Message-ID: <v01530501ae8ff863e5e3@[153.34.197.53]>

These rectifiers were widely used in 60s and 70s tube stereos, hence the scarcity. I think Sovtek and Svetlana have them as new, so unless you, like the audio crown, just HAVE to have the original maker's name on the tube, you can ignore the "CALL" quotation. BTW, Antiques's usual threshold for "call" listings appears to be somewhere near 40 bucks each.

Regards,

Scott Robinson
spr@earthlink.net
"Wait'll he puts on his stereo headphones..."

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: John Shriver <jas@shiva.com>
Subject: Re: 5AR4 tubes
Message-ID: <199610211842.0AA07677@shiva-dev.shiva.com>

The 5AR4 was widely used in audio equipment almost immediately upon introduction. It has a good voltage rating, high peak current, small size, controlled warm-up time, and particularly low voltage drop.

The originals are very expensive because many of the equipment designers ran them right at the ragged edge of the specs. There is at least one Russian source, but the tube just won't work in much of the vintage audio gear, arcing out instantly. (It is rumored that it is really a relabeled 5Y3, a much wimpier tube.)

Also, there are audiophiles who claim to hear the difference between

brands of tube rectifiers.

There are even new designs using 5AR4's, some which only work with the NOS Mullards.

Obviously, one can replace a 5AR4 with two SS diodes, and hefty dropping resistors.

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: Mike Maloney <ac5p@ionet.net>
Subject: 7 pin plug needed
Message-ID: <199610212302.SAA28463@mail.ionet.net>

I need a 7 pin plug or plug to socket adapter (same as 7 pin min. tube-6BA6) to patch an HC-10 converter/prod.det. to a stock HQ-140. If someone has just a 7 pin plug that mates with a 7 pin tube socket, I can make the extension adapter.

Thanks in adv. for help.
73/Mike ac5p@ionet.net

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: TPHAAK@ccmail.monsanto.com
Subject: RE:75A1 Sensitivity
Message-ID: <00304000015985110000002*@MHS>

Gang,

I have been trouble shooting a 75A1 that has me a bit puzzled. It came dead from a local ham so I knew what I was getting. A new 6H6 fixed that problem but I think it has rather poor sensitivity for it's design plus the S-meter is useless.

I have done the usual tube checking, alignment and although it hears it seems to generate more internal noise than it detects and if the S-meter moves it moves very, very little. I've check for mods, etc and it appears to follow the book.

I have not replaced any caps by-pass, coupling, or filter.

The S-meter circuit is new to me in that it is a 0-1ma meter tied between the cathodes of the first IF amp and the mixer. In this configuration it should work in the three modes, "Manual-AVC-CW" I would think.

This receiver seems to want to copy both of my Gonset G-66 receivers. I've been through them several times and they aren't worth a darn either. Maybe I've been listening to my HRO's, Hams, Nationals too much. The 75A1 sure looks like it is built mechanically AND electrically well but sure doesn't perform like I expect it to. The A1 takes a good 10uv of RF to wake it up on 80M and that doesn't seem right to me. Sensitivity is equally poor on all the bands.

Any help on the A1 would be most appreciated.

Tim WA0TSY
tphaak@monsanto.com

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: RE:75A1 Sensitivity
Message-ID: <Pine.ULT.3.95.961021144835.12762A-1000000@admin.aurora.edu>

On Mon, 21 Oct 1996 TPHAAC@ccmail.monsanto.com wrote:

> The A1 takes a good 10uv of RF to wake it up on 80M and that doesn't
> seem right to me. Sensitivity is equally poor on all the bands.

Something I found when I was troubleshooting poor sensitivity in my SP-200 was that the RF stages didn't have any plate voltage on the tubes. (I got more signal by attaching the test wire antenna to the grid of the mixer). The trouble was the bandswitch, which is strange in a SP-200. Could be you have an open plate coil circuit in the front end, or too much bias on one of the tubes.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: billo@nti.net (Bill Wilson)
Subject: Re:75A1 Sensitivity
Message-ID: <19961022001641414.AAA190@LOCALNAME>

Collins fans,

Tim, WA0TSY wrote that his new 75A1 has poor sensitivity and was wondering what might be up...well I got a 75A1 here about two weeks ago and

had the same problem. It seemed to work "ok" on the upper bands but was rather deaf on 75/80 meters. I checked all the tubes and found a shorted 6L7 second mixer valve and replaced it, still sorry on 75 meters. The real test hear for judging a radio on 75 meters is to tune to around 3.2 MHZ and tune in that station from Nashville, forget the call letters, and see what happens. I got a lowly S5 on the s-meter scale...there was something wrong as "Tex from Mars" preached the gospel, I found the culprit. A bad, blown and nasty feed through cap (I can't give the values yet as my manual is on order) from one stage to another. The wire was actually not touching the cap and it looked like the thing arced over at one time. I put in a 470pf cap and the radio was fixed. Question? Can you still get these little feed through caps? Andy, WA4KCY, suggested putting in a rubber grommet to insure the replaced cap would not short to the chassis, which I did. Tim, I hope you get your set fixed as the 75A1 in my opinion is a nice set to operate and to look at. BTW, that station from Nashville is now a 40 over S-9 instead of a S-5.

Regards,

Bill
AC4LC
Jacksonville, Al.

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: Steve Ellington <n4LQ@igLou.com>
Subject: 75S-3B SOLD, SX-42 SOLD, SLINE SOLD
Message-ID: <326C0D91.1548@igLou.com>

all gone....thanks

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: bkh@bwab.se
Subject: Alexanderson Alternator
Message-ID: <199610211309.PAA08562@mailbox.swip.net>

Last minute update on the testtransmission from
Grimeton using the Alexanderson Alternator.

The transmission will take place October 23, 1996
at approx. 0855-0930 UT. CW-speed approx. 12 wpm.

Frequency is 17.2 kHz and the callsign is SAQ.

The message in English will be sent twice and
thereafter are some local hams invited to use the

handkey for private messages.

Listeners reports by letter, fax or e-mail is welcomed and will be verified with a QSL-card.

BTW the e-mail address to Grimeton was not usable due to a misspelling in the registrated address. It is now corrected and to my knowledge now working OK.

The address is grimeton@mobitel.telia.se.

The snail mail address and the fax nr is available on the Web <http://www.telemuseum.se/Grimeton/>

Happy listening

73 de SM/BKH Bengt Wilander bkh@bwab.se

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996

From: bkh@bwab.se

Subject: Alexanderson Alternator

Last minute update on the testtransmission from Grimeton using the Alexanderson Alternator.

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The address is grimeton@mobitel.telia.se.

The snail mail address and the fax nr is available on the Web <http://www.telemuseum.se/Grimeton/>

Happy listening

73 de SM/BKH Bengt Wilander bkh@bwab.se

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FAQ on WWW: <http://www.contesting.com/topband.html>
Submissions: topband@contesting.com
Administrative requests: topband-REQUEST@contesting.com
Sponsored by Akorn Access, Inc & KM9P

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: carl yaffey <cyaffey@sprynet.com>
Subject: re: AT-1 problems - NEVER MIND!
Message-ID: <2.2.32.19961021211948.00737ce4@m1.sprynet.com>

My AT-1 problem is solved. I was using a bad crystal and the meter was hooked up backwards. TNX for the help.
73, Carl

Carl Yaffey K8NU (ex-W4EZB) cyaffey@sprynet.com 614 268 6353 Columbus OH
Banjo player for One Riot One Ranger, independent software developer.

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 |#===||=====|*~*~|
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From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: Ben Bradley <bradley@norcross.mcs.slb.com>
Subject: BA safety: dangers of selenium rectifiers?
Message-ID: <2.2.32.19961021213118.00337874@norcross.mcs.slb.com>

>Date: Thu, 17 Oct 1996 10:53:48 -0400 (EDT)
>From: "Barry L. Ornitz" <u856010@eastman.com>
>To: Andrew Emmerson <midshires@cix.compulink.co.uk>
>Cc: Boatanchors <boatanchors@theporch.com>
>Subject: Re: Ozone
>Message-ID: <Pine.ULT.3.91.961017095700.2001A-1000000@dua150.kpt.emn.com>
>
> ...
>
>My point here, however, is not just about safety though. We have many
>people who mistakenly feel that "boatanchor technology" is automatically
>good - merely because it is _old_. I hope everyone in our group approaches

>old gear with an open mind and realizes that a hot chassis, or a resistor
>line cord, or asbestos insulation, or selenium rectifiers require much
>more thought and consideration for safety. I believe the special people
>in this group really _are_ more safety concious than the average amateur
>radio operator. Remember to keep it that way and remember to

>Date: Mon, 21 Oct 1996 11:49:40 -0400 (EDT)
>From: "Barry L. Ornitz" <u856010@eastman.com>
>To: Boatanchors <boatanchors@theporch.com>
>Subject: Esaki Diodes

>
>Discussion of early solid state devices such as copper oxide and selenium
>rectifiers is generally OK here _ONLY_ when that discussion is part of a
>larger issue, that being their use in _Boatanchor_ equipment.

Okay, having read these, I have a question about selenium rectifiers,
that I think offhand I have five, each as a half-wave rectifier for plate
voltage in a BA (such as a Heath grid-dip meter, a hand-held BA :-).
I easily recognize the dangers of the other things Andrew
mentioned above, but all I've ever heard about selenium rectifiers is that when
they blow they emit an awful smell. I've never experienced this myself (yet),
and I guess I should be glad.

Exactly what is the danger here?

Ben Bradley, Design Engineer
Schlumberger Measurement & Systems
Meter Communication Systems (MCS)
snail: 3155-B Northwoods Parkway
Norcross, GA 30071-1576 USA
email: bradley@norcross.mcs.slb.com
voice: 770-368-3444 ext. 3191
fax: 770-840-8614

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: pmills@A.crl.com (Phil Mills)
Subject: Re: BA safety: dangers of selenium rectifiers?
Message-ID: <199610212258.AA23777@A.crl.com>

If you blow one, avoid the fumes making the awful smell...air the room or
whatever space is out a little. Never disassemble or cut one of these up....
just dispose of it. I do not know the specifics but from my much younger
days, I understand the chemicals involved to be highly toxic and also
capable of being absorbed through the skin. Maybe Barry will enlighten
us a little.

And, I think the specifics of handling and disposal of these to be a very relevant boat anchor topic since they are in so many of them.

thanks & 73,
Phil

>> Okay, having read these, I have a question about selenium rectifiers,
>that I think offhand I have five, each as a half-wave rectifier for plate
>voltage in a BA (such as a Heath grid-dip meter, a hand-held BA :-).
>I easily recognize the dangers of the other things Andrew
>mentioned above, but all I've ever heard about selenium rectifiers is that when
>they blow they emit an awful smell. I've never experienced this myself (yet),
>and I guess I should be glad.
> Exactly what is the danger here?
Phil Mills, AB5TH ***** Wanted --- 1957 ARRL Handbook *****
pmills@a.crl.com
713-992-5762
Friendswood, TX (south of Houston)

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Battery help
Message-ID: <Pine.ULT.3.95.961021152651.3423A-1000000@admin.aurora.edu>

Can someone tell me what an Eveready #734 battery is?
I found an old G.R. capacitance bridge that uses one
but don't know the voltage.
Thanks

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: BC-348-R funzies!
Message-ID: <326ABEB4.46F5@ghgcorp.com>

Hello Y'all...

Been doing a lot of playing with the BC-348-R. It is using a 5000 ohm
Halli SX-24 speaker while the SX-24 is on vacation getting rebuilt. I
added a second phones jack and wired it into the 4000 ohm output tap of

the output x-former, and the match seems good'nuff. The 348 has some graffitti on the name tag, and I think it is names of the people who flew a plane using this radio...

They are: Aarnes, KEO, LFH, Zake, Keogan, and M. L. Crabb D.R. or possibly P.R. "Crabbie" Branstner... Cool!

Also, there is some pencil markings on the dial scale, indicating that "Frisco" was on 17.87 and that "GMC" was on 6.5. Any of you mil radio op types remember what GMC or Frisco referred to?

Seems the 200-500 kc band works well, picked up navaid GLS, which is down the road in Galveston TX, about 30 miles from here. Looks like the code is getting to me, had no problem picking out the G or the S, but the L I had to look up...

Thanks and 73,
Ben

--

From the computer of | Collector of fine firebottle
Benjamin D. Hall, Houston Texas | equipment, as well as other things
BDHall@GHGCorp.com -or- | involving Earth, Air, Water, and
BHall@GP802.JSC.NASA.gov | Fire.

"When you clock the human race with the stopwatch of history, it's a new record every time."

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Peter Ferrand <petef@sprynet.com>
Subject: Central GC-1 manual wanted
Message-ID: <2.2.32.19961021163657.0073bc50@m3.sprynet.com>

Hi. I'm looking for copy of a manual, or just a schematic if that's all we can scare up, for the Central Electronics GC-1 Gated Compression Amplifier.

I'll pay the usual costs.

tnx es 73,
Pete
WB2QLL
petef@sprynet.com

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996

From: spr@earthlink.net (Scott Robinson)
Subject: Compressor circuits and distortion
Message-ID: <v01530500ae8ff7349eaf@[153.34.197.53]>

One of the ways to considerably reduce the distortion of a 6L7-based compressor circuu is to run it push-pull. Just as with output stages, this cancels all the even harmonics. For IF or RF amplifiers, even-order distortion doesn't matter much because the resonant circuit being driven averages the gain over the whole cycle.

Scott Robinson
spr@earthlink.net
"Wait'll he puts on his stereo headphones..."

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: BRIDGERS@gonzo.ccl.org
Subject: Diode replacement for 3TF7?
Message-ID: <961020232639.20401a93@gonzo.ccl.org>

Learned of a new (to me) way to beat the cost of a \$17.50 3TF7. When I bought an old Motorola 390A this weekend, I noticed a diode was inserted between pins 2 and 7 of the 3TF7 socket. The seller confirmed that he had done this years ago with success. I was doubtful, but sure enough the voltage on pins 3 and 4 are about right (11.5 volts and 5.5 volts ... DC!) The other good news is that the diode runs only slightly warm. This appears to be a great work around for the 3TF7. Is this as good as I'm seeing, or am I missing something?

73's
Tom KE4RHH Bridgers@Leaders.CCL.org

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: Peter Ferrand <petef@sprynet.com>
Subject: Re: Diodes
Message-ID: <2.2.32.19961021222339.00725f74@m3.sprynet.com>

At 10:52 AM 10/21/96 -0500, Barry Ornitz wrote:

>
>Discussion of early solid state devices such as copper oxide and selenium
>rectifiers is generally OK here _ONLY_ when that discussion is part of a
>larger issue, that being their use in _Boatanchor_ equipment.

While we're on this subject, I have a selenium rectifier application question.

In my Globe Champion 350 there are two 809's used as p-p modulators. Negative eight volts of grid bias is applied through the driver transformer center tap. The ends of the winding are connected to the grids with no other components.

The -8vdc is developed by taking 110 volts that's been rectified by a half wave selenium and cap, run thru a 120 ohm resistor to a couple of series connected selenium rectifiers. These are run apparently as sort-of zeners, with the negative of one grounded, it's positive connected to the negative of the other, and this one's positive connected to the aforementioned 120 ohm.

Also going from this point - the 120 ohm resistor and + of one rectifier - are a 25 mfd cap and a 390 ohm resistor. No questions there.

In an attempt to forestall the obvious failure mode, can I just sub an 8 volt zener with a watt or two dissipation in this circuit? Looks like I can, but I don't recall ever seeing any theoretical anything about seleniums used this way and am always leery of gotchas.

73 es tnx,
-Pete
WB2QLL
petef@sprynet.com

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: "Grant Youngman" <nq5t@gte.net>
Subject: Re: Diodes
Message-ID: <199610220030.TAA10894@mail1.gte.net>

> In my Globe Champion 350 there are two 809's used as p-p modulators.
> Negative eight volts of grid bias is applied through the driver transformer
><snip>
> The -8vdc is developed by taking 110 volts that's been rectified by a half
> wave selenium and cap, run thru a 120 ohm resistor to a couple of series
> connected selenium rectifiers. <snip>
> In an attempt to forestall the obvious failure mode, can I just sub an 8
> volt zener with a watt or two dissipation in this circuit?

Yes, you can. I've done just that in my 300 and it continues to perk right along.

Grant/NQ5T

Grant Youngman / NQ5T

nq5t@gte.net
<http://home1.gte.net/nq5t/index.htm>
Double Oak, TX -- nr Dallas

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: spr@earthlink.net (Scott Robinson)
Subject: Distortion in audio compressors
Message-ID: <v01530508ae90364d71d3@[153.34.197.12]>

Folks,

One of the ways to considerably reduce the distortion of a 6L7-based compressor circuu is to run it push-pull. Just as with output stages, this cancels all the even harmonics. For IF or RF amplifiers, even-order distortion doesn't matter much because the resonant circuit being driven averages the gain over the whole cycle.

Regards,

Scott Robinson
spr@earthlink.net
"Wait'll he puts on his stereo headphones..."

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: mknudsen@lucent.com
Subject: Elgin IL Radio Swap
Message-ID: <9610212229.AA02390@bock.ih.lucent.com>

Yesterday was one of the quarterly swap meets by the ARCI Club at Elgin, IL, same folks who bring us the big RadioFest in August.

Not a bad day for BAs. I saw a real nice Tek dual-beam scope and supply, several Halli rx, a CAA/FAA beacon tx in very fine shape (less finals), a small postware National rx, and a NC-173 that I ended up taking home.

The 173 had the most dust and lint I've ever seen in a radio -- wads of it -- but as the seller pointed it, it covered no rust. Sure 'nuff, a few minutes with the shop-vac and a brush made the set look a lot better.

Dial plastics are filthy, but it's water soluble and will be cleaned up real soon now. This is my first "ordinary" National, meaning a main-tuning bandset dial plus bandspread dial. The three-gang tuning is VERY linear -- in fact, National could've scooped Collins on accurate vernier dial if they'd been thinking a little harder. My set had not been run for many years so it's been a while before I power it up.

Also found a really FB Navy RBL, the prettiest of the VLF rx, with a National-style HC-240 like dial calibrated directly from 15 to 630 KC in 6 bands. Somehow wrestled it into the basement and it works fine, except on the lower bands you have to "goose" it into regeneration with a blast of RF gain. Bring it on, Sweden! Tho I think the RAK is still more sensitive, at least around WWVB at 60 KC, so I may drag it into the antenna room tomorrow night as well.

And into my car crawled that Lincoln mystery 6-mtr xcver, and a little CE module (2 modern tubes) of unknown function -- I'll post its 2-letter code when I get a chance to look it up.

And, re recent discussions -- an RCA Senior VoltOhmyst complete with the turkey-baster HV probe, and RF probe as well, and VF condx.

Plus an RCA AM signal generator (small, with output probe), and its Heathkit competitor, real cheap. Both MUCH lighter to lug around than the URM-25E!

Finally, a homebrew regen set with a Type 30 detector and another for audio, built on Bakelite panel and wooden board, real nice verniers on tuning and regen. Also a Loktal 8G model Zenith T/O, complete and working, package deal with a Mohican.

Lots of tubes and parts available, and sets of QSTs for '47 and '59 (a couple of interesting years just for BA ads). 73, mike k aa9rg

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: heikud@directcon.net (Dennis Heikura)
Subject: Elmac PMR-6 Manual
Message-ID: <199610212234.PAA14727@zeus.directcon.net>

Hi Gang,

Recently acquired a Multi-Elmac PMR-6A Receiver and now am in need of a manual. Anybody have one they could copy for me? Usual reimbursements apply.

73===Denny
WB7EGG

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Esaki Diodes
Message-ID: <Pine.ULT.3.91.961021113615.6580G-100000@dua150.kpt.emn.com>

My casual mention of Esaki or tunnel diodes seems to have stirred up a lot of interest. The only reason I mentioned them on this group was for their use in triggering circuits for old Tektronix scopes like my 585A. Discussion of old semiconductors like these belong on the VSS (Vintage Solid State) list - not here. If anyone wants to continue discussing these diodes, please do it by email to my address below - or post on the VSS list.

Discussion of early solid state devices such as copper oxide and selenium rectifiers is generally OK here ONLY when that discussion is part of a larger issue, that being their use in Boatanchor equipment. I am happy to chat with anyone about early semiconductors and their technology, but not on this list. I subscribe to VSS and so do many other folks here; they would welcome such discussion there.

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: W2CRS@aol.com
Subject: For Sale
Message-ID: <961021203019_130717241@emout12.mail.aol.com>

Item 1

This first item deserves to be in a museum, Ripley's! It's a portable Hexem 110R meter, an E-I-R meter. It reads E from one MV to 1000 volts with an input resistance of 101 megohms. It reads I from 1 μ A to 300mA and R from 10 ohms to 100 megohms. Why Ripley's? It uses 16 (SIXTEEN) batteries! One D cell, three 9V batteries, six 1 1/2 V type N, two (Mallory) 1.35V and two (Mallory) 5.4 volt batteries, one 15V battery, and one BT15 battery that looks like an electronic watch battery for a big alarm clock. Betcha it works if you replace the batteries! It sure has a lot of good precision resistors and parts, if that's your game. It's in pretty good condition, maybe a 7 or 8 except for a big ugly homemade red and white tape running accross the front saying, "Turn off when not in use." Now why would somebody do a thing like that? :)

Item 2

Get ready for the new sunspot cycle with this small, 4 tube, Gonset 10 meter, automobile receive converter. Don't think there is a model number, but I find a "0310" serial #? on the back. The face plate and cabinet are a 9 except for two holes drilled in the top to mount it in a car. It tunes 26

1/2 to 30 1/2 MC, good buddy, and might let you know when smoky's around.
Complete but untested.
Any offers? Postage is extra (about 5 lbs for item 1 and 2 lbs for item 2.
Doug W2CRS

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: Gary Youney <72302.2164@CompuServe.COM>
Subject: FS: SX-115
Message-ID: <961022002022_72302.2164_DHR93-1@CompuServe.COM>

I have a VERY nice SX-115 that I'll sell for \$550. I really don't want to ship it, but I'll drive 100 miles or so from the Houston area.

73, Gary

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
Subject: FS: --Heathkit "TWOER" - \$30 --

Heathkit "TWOER" 5 watt AM only crystal transceiver. Excellent condition. Appears to work fine. Includes original Heathkit Microphone. No book. \$30.

WB5KZW
Jeff
Near Detroit
810-661-0202

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the newsgroup rec.radio.swap. All inquiries must go to the person making the post at the email address above... not me!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
Subject: FS: >>Hallicrafters S-95 Civic Patrol - \$45 >>

Old VHF (not 2 meters) FM receiver. Good cosmetically, lights up but doesn't play. I've never even checked the tubes.

\$45. No book.

WB5KZW
Jeff
Near Detroit
810-661-0202

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the newsgroup rec.radio.swap. All inquiries must go to the person making the post at the email address above... not me!

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WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: jkh@lexis-nexis.com (John Heck)
Subject: FS: Books
Message-ID: <9610211819.AA01563@beans.lexis-nexis.com>

Folks,

I have the following list of books for sale. Please reply to me via private email at jkh@lexis-nexis.com Thank you. All prices are "plus postage".

"Radio Boys In Darkest Africa", G. Breckenridge, 1923, 245pp \$15
Good Condition

=====

"Boy Scout Electricians or The Hidden Dynamo", G.H. Ralphson, \$10
1913, 251pp, good condition

=====

"Radio Physics Course", Ghirardi, 1937 ed., 972pp, fair to \$10

good(outside a little soiled), otherwise good

=====
"Essentials of Electricity For Radio and Television, \$8
Slurzberg and Osterheld, 1950 ed., 533pp, fair to
good(outside a little soiled and some minor warping
due to moisture), but otherwise good
* a practical treatment with lots of illustrations
and using some algebraic math as formulas
=====
"D-C Voltage Distribution in Radio Receivers", 1936, 96pp, \$8
good condition, this is one of the 'An Hour A Day
With Riders' series.
=====
"Alternating Currents in Radio Receivers", 1937, 94pp, \$7
fair to good condition, also an hour a day Riders
series book
=====
"A First Electrical Book For Boys", Alfred Morgan, 1940, \$8
209pp, good condition with a rough dj
=====
"Radio and Television Receiver Troubleshooting and Repair", \$12
Ghirardi and Johnson, 1952, 822pp, excellent(like new)
condition with dj
=====
"Radio Operators License Q&A Manual", Milton Kaufman, 1955, \$5
721pp, fair to good(cover a little rough)
=====
Coyne Radioman's Handbook", Coyne Institute, 1946, 355pp \$10
Good+ condition
=====

Regards,
John Heck, KC8ETS
Dayton, Ohio
jkh@lexis-nexis.com

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Steve Ellington <n4LQ@igLou.com>
Subject: FS: COLLINS 75S3-B Receiver
Message-ID: <326BD573.74C7@igLou.com>

Here is a nice piece of Collins equipment to either get you started on
building that Collins station you always wanted or to complete one you
already started.

This is the 75S3-B
winged emblem

The cabinet and front panel is perfect except for one little flaw.
There is a scratch around the RF Gain knob from someone's fingernails.

There are no mods. Original manuals are included.

The chassis is very clean.

Everything works perfectly.

The 2.1kc filter is included.

Price \$350 obo plus shipping from Louisville, Ky. 40272

Shipping weight is about 20 lbs.

Steve Ellington n4lq@igLou.com

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: "Chuck Rippel" <crippel@exis.net>
Subject: FS: Collins Luma-Line Lamp Kits
Message-ID: <199610210410.AAA13053@marlin.exis.net>

I have only a very few (7) Luma Line Lamp rebuilds for the 312A-1,
312A-2/SC-101 left.

These original kits include: 1 lamp, 2 Leviton end caps and
2 Leviton sockets which mount on the speaker. (\$65 + \$3 sh ea)

I should be shipping the kits the week of October 27. There was a
delay due to the lamp supplier being less than accurate about having
the lamps in stock. I switched suppliers and the lamps were shipped
last Thursday.

The difficult parts, the Leviton components have been in hand.

The supplier of the Leviton parts is now out of stock and they are no
longer made.

Drop me an E-Mail directly if interested.

+++++

Chuck Rippel Real Radios Were Made in
crippel@exis.net Cedar Rapids, Iowa
Collins Collectors Association

+++++

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: jkh@lexis-nexis.com (John Heck)
Subject: FS: Hallicrafters SX-105
Message-ID: <9610211538.AA01473@beans.lexis-nexis.com>

Folk,

I have a Hallicrafters SX-105 to sell. It is in excellent condition, inside and out.

It has one or two very small dings in the paint but these are not really noticeable.

It is not perfect cosmetically, but it is the closest I have ever seen. I would expect

a unit on the shelf/in the store to look like this. I hooked it up to my long wire and picked up the local weather station so I assume it works OK. There is normal

oxidation on the hookup screws on the back. I have no manual for this radio. I am asking \$50 plus shipping from Dayton, Ohio. I would expect the shipping to be \$10-12.

Please reply via private email to jkh@lexis-nexis.com Thank you.

John Heck, KC8ETS
Dayton, Ohio
jkh@lexis-nexis.com

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Peter Ferrand <petef@sprynet.com>
Subject: FS: MURCH Tuner
Message-ID: <2.2.32.19961021171618.006b9c70@m3.sprynet.com>

Here's a BA-era antenna tuner (well almost, 1980 I think) made by Murch Electronics of Franklin, Maine. It's the model UT-2000A-LS and it's the standard McCoy Ultimate circuit...it even says Ultimate right on it. Split-stator input capacitor, a 4:1 triple core balun for balanced feed operation, and a tuning meter.

The ceramic roller coil is wound with #8 gauge wire, and both tuning caps are rated at 4000 volts.

Runs the legal limit and I've been using it here for years here on 160-10; Murch aficionados will note this unit was only designed for 80-10, but somewhere along the line someone did the upgrade to 160, which involved the installation of Murch's optional larger inductor. My use has been mostly on 160 where it works fine with my dipole and doesn't come anywhere near the end of its tuning range.

The tuner is 5" X 12" X 15 1/2" HWD. Case itself is somewhat scratched gray hammertone, front panel is dark gray, a few very small scratches but basically looks good. In good working order, no manual.

First \$125 plus shipping from Nashua, NH 03060 gets it.

e-mail or call (603)889-1067 anytime

73 es tnx,
-Pete
WB2QLL
petef@sprynet.com

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Steve Ellington <n4lq@iglou.com>
Subject: FS: SX-42
Message-ID: <Pine.GS0.3.93.961021103634.26285A-1000000@iglou1>

I've got an SX-42 I want to sell. Here's the deal.

Front panel, dials, knobs....all complete and original and in very good conditon although a bit dirty.

All lettering is intact and looks very good.

Cabinet has no dents but is in dire need of paint. Some surface rust on the cabinet. This looks rather easy to fix. Just gray and black paint needed.

Chassis is complete and somewhat dirty.

I've turned it on. The filter capacitors are obviously bad and all the paper caps need replacing. They are dry and cracked looking.

I get considerable hum. Using jumper leads, I patched across the filters , calming the hum and was able to receive plenty of shortwave broadcast using just 3ft of wire.

Price is \$150 obo plus shipping.

This will make a nice looking classic. The push-pull af amp really sounds great!

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: --Heathkit "TWOER" - \$30 --
Message-ID: <56729.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: af104@detroit.freenet.org <af104@detroit.freenet.org>
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: >>Hallicrafters S-95 Civic Patrol - \$45 >>
Message-ID: <56735.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: af104@detroit.freenet.org <af104@detroit.freenet.org>
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: Guy Dragoo <gdrag@proedge.com>
Subject: Globe Chief manual and schematic
Message-ID: <01BBBF61.D1F5CB20@ft250.computek.net>

Howdy Anchorites from a wet and wild Texas (the tornado alert going off as I type this...so if you get a partial message you'll know why :-).
I had a globe Chief jump into my lap over the weekend. This poor beast has lead a hard life by the looks of the melted insulation and resoldered connections.
Anyhoo, I need the manual and schematic to verify what I got...and to rebuild what I don't. Any and all help is much appreciated.
Thanks and 73
Guy AC5HL

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: "Shepard, Phil/NTSEUG" <pwshepar@sp-eug.com>
Subject: Hallicrafters S-85 manual needed
Message-ID: <326C06C3@msmail.sp-eug.com>

Hi BAers,

I just picked up a Hallicrafters S-85 receiver, but not a manual. Does anyone have one they would be able to copy for me? I will, of course, cover your costs plus a bit.

Tnx es 73,

Phil Shepard, NS7P
pwshepar@sp-eug.com

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: Larry Godek <AZCOT@gnn.com>
Subject: Heath VTVM's
Message-ID: <199610210314.XAA14135@mail-e2b.gnn.com>

At a swapmeet today I picked up a couple of Heathkit VTVMs. Model nrs. IM-28 and IM-10. Naturally they are both kinda broke. SO I need the manuals for them and if anyone has any spare probes around for the likes of them, I could sure stand to gather them in. Cours what most hams did was to throw away the manuals after putting them together. I think the Probes were next on the "get lost" list. Both meters are in excellent cosmetic shape theough. Hopefully I can make them both work.

Larry AZCOT@gnn.com

Gilbert, AZ. 85233

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: Mike O'Brien <mobrien@lib.drury.edu>
Subject: Re: HT-4 Price ?

Bob:

If it's truly a "Hallicrafters HT-4," it has some extra value as a collector item. If its the more common military variation, the BC-610, its value can be affected by the date of manufacture. The later versions are more viable as rigs for actual operation because better shielding helped cut down on TVI emissions. I've never seen a "real" HT-4, with its art-deco exterior touches, trade hands. I've seen BC-610s go for anywhere from \$200 to \$400, depending upon condition, design, availability of coils, audio pre-amp, antenna-tuner, etc. Gud luk!

73, Mike KOMYW

On Sun, 20 Oct 1996, Robert B. Kerby wrote:

> Hello Gang -
> I have been offered a Hallicrafters HT-4 Transmitter. I want to be fair
> with the seller, an older ham, but am not sure what would be a fair
> price. The rig is very dirty and several of the meters have broken or
> damaged faces. Most of the tubes are there, but some are questionable
> until I get them cleaned. On a scale of 1-10, I would call this a 4-5.
> Any advice will be appreciated.
>
> Thanks,
>
> Bob - W4BLD
>

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: "Mike O'Brien" <mobrien@lib.drury.edu>
Subject: Re: HT-4 Price ? (fwd)
Message-ID: <Pine.3.87.9610201557.C3104-0100000@lib.drury.edu>

----- Forwarded message -----
From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: Joe_Wilkowski@mc.xerox.com (Wilkowski,Joe)
Subject: Johnson Viking Valiant 1 Manual Needed
Message-ID: <"<5BE06B3281B7677C>5BE06B3281B7677C@X-MC-0819-MS2.XEROX"@-SMF->

Looking for the above manual, good copy will do just fine...

please reply to:

joe_wilkowski@mc.xerox.com

tnx

/joe

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: KWM-2 Questions
Message-ID: <199610211446.JAA06889@lesol1.dseg.ti.com>

QUESTIONS:

When was the KWM-2 designed and when did it go into production?

What amount of signal leakage from the antenna into the IF should be expected from an optimally performing KWM-2?

How well does the AGC in a properly functioning KWM-2 work?

PROGRESS:

The major problems with my "project" KWM-2A have been resolved. I had it on the air this weekend, using a Drake TR-4C hand-held microphone and a Heath HP-23A power supply. Signal reports were "good" and the receiver gave a good account of itself. To the standard ham band crystals I added 12 meter and 30 meter capability.

The AGC "popped" excessively (i.e., fast attack noise) until I changed the 100 uf cap to a 470 uf cap. I wonder perhaps whether there's not another problem which is being compensated for by the increased capacitance? At first I thought the original 100 uf cap was bad since it showed signs of electrolyte leakage and paralleling it with a 47 uf greatly improved performance. Replacing the 100 uf with the 47 uf though made the popping considerably worse, indicating that the 100 uf had been working after all. My parts supply of low voltage high capacitance electrolytics was limited so I stuck in a 470 uf which cured the popping although the KWM-2A AGC still exhibits a very fast attack time.

I suppose I should say that someone else had worked in this area previously, bugging up the circuitry and leaving two unsoldered connections which caused intermittent oscillation of the receive audio.

Tuning across 75 and 80 meters, I find a number of signals at the IF leaking into the receiver, far more than with any other radio I've got. I presume this indicates a defect in this KWM-2A rather than being a design defect with a Collins radio! Anybody solved this before? I'll add that my KW2000B which uses the identical conversion scheme (blatant plagiarism by the Brits, obviously) doesn't have this problem with leakage into the IF.

When I put the KWM-2A on the air yesterday, I worked a guy who used to live in Cedar Rapids who said he'd just sold off a KWM-2 he'd had for "forty some years". He'd apparently developed an association with Collins engineers and claimed that he got his KWM-2 for a pittance in 1951 because Collins wanted to benefit from his on-air usage of it. When I questioned the year he confirmed it as 1951. I'd thought the KWM-2 was more like a mid-50's radio. Was his memory a bit faulty or might he have been confusing the KWM-2 with another radio?

I'm not quite ready to put this KWM-2A back in its cabinet just yet. The PTO needs some adjustment as the endpoints are off and there's about a 1 kHz shift in frequency between lower and upper sideband. The transceiver also needs to have a comprehensive alignment done which I'll probably start on after adjusting the PTO. Despite being a little out of alignment yet, this KWM-2A is performing well. BTW, this KWM-2A is of the early winged emblem variety with hard-wired relays, etc.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: "Grant Youngman" <nq5t@gte.net>
Subject: KWS-1 Balanced Modulator Question
Message-ID: <199610210359.WAA06874@mail1.gte.net>

Ok, guys .. one more question.

Anybody know if its normally possible to get a decent null on the KWS-1 balanced modulator?

I'm getting a carrier low point only with the balance pot set fully clockwise -- no "null", just a minimum. The resistance values on each end of the pot are matched pretty well, except that R150 and R151 check out at 530 ohms vs. the 680 ohms spec'd in the parts list.

There isn't a lot of residual carrier left -- you'd likely have to be pretty close to hear it -- but the thing just doesn't seem to be behaving properly relative to getting a decent null. Close, but no soap -- er, null

Any ideas?

Grant

Grant Youngman / NQ5T

nq5t@gte.net
<http://home1.gte.net/nq5t/index.htm>

Double Oak, TX -- nr Dallas

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: mknudsen@lucent.com
Subject: LINCOLN 6-mtr Xcvr?
Message-ID: <9610212158.AA02364@bock.ih.lucent.com>

Anyone ever hear of the above? At a swapmeet yesterday a sller pointed to a small object and said "want that?" I said "Is that an early tube CB, or an intercom?" Nope, it was a 6mtr transceiver, by Lincoln. No mention of a Lincoln in the tx book (the same one that omits the postwar Meissner Signal Shifter).

It was fairly clean, uses a 6V6 for output, and has a couple tubes labeled "6U8/6EA8" on the bottom sticker paper, so can't be too old, despite that 6V6 RF output. Minimum of tubes and controls. For \$10 I didn't waste much time arguing. So now I have this little box to get back on 6m AM if I dare (still have my Squalo antenna).

One little concentric knob pair tunes from 50 to 54 MC, but the tx may be strictly xtal bound, not sure yet. There was a "Channel 22" xtal stuck in it (well, half 54 MC is 27 -- hmmm, great use for those old CB rocks, except the AM is near the bottom of the band nowadays, right?)

Really does look more like a early '50s table radio, or intercom with the flip-to-talk lever. Anyone hear of this beastie? 73, mike k aa9rg

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: berg stephen erik <z931086@corn.cso.niu.edu>
Subject: Re: LINCOLN 6-mtr Xcvr?
Message-ID: <Pine.3.89.9610211858.A9364-0100000@corn.cso.niu.edu>

These were the mainstay of much of the Chicago 6 meter AM activity in the mid 1960's. They were a step above the Heath Sixer. They offered a bit more power out on transmit, and a superhet receiver that was a lot more selective than the super regen. They used fifth overtone 6 meter crystals. I never used one, but I sure talked to a whole bunch of them back then. I think I still have an Allied Radio catalog that lists them, and if you are interested, I could make a copy and ship it to you.

73,

Steve WA9JML

z931086@corn.cso.niu.edu

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: "Bob Ragain, 303-470-2534, RAGAIN@SEDALIA.OMNES.SLB.COM"
<RAGAIN@hubvx6.sedalia.wireline.slb.com>
Subject: Looks like a BC-348 but isn't?
Message-ID: <961021150429.250517d6@hubvx6.sedalia.wireline.slb.com>

At the Denver area hamfest over the weekend I saw a radio that was very similar to a BC-348, but wasn't. It's about the same size with similar dial and knobs, and typical black wrinkle finish. The nameplate had been removed. The owner said he thought it was a BC-327, but that doesn't sound familiar.

The part that someone will surely recognize was on the lower right corner of the front panel: a cable duct(?) of some kind coming out of the front panel and pointing down toward the bottom of the radio (as if cables were being routed into the table-top).

Any ideas?

This was a nice 'fest. Quite a few BA's were on "display". Well, they must have been intended for display because the prices were quite high.

I did find a much modified BC-348-R and a tiny Lyscom transmitter with 3 6AQ5's. Neat little transmitter. Anyone have a schematic for it?

Happy BA'ing

Bob

Bob Ragain WB4ETT Littleton, CO 303-794-4396

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: kd6poc@juno.com (Adam J McLaughlin)
Subject: Need Help on Old "Cans"
Message-ID: <19961020.144735.5183.1.kd6poc@juno.com>

Hello Everyone!

An old timer (Licensed since 1932) gave me a pair of old headphones this summer. They are h-e-a-v-y and they are big. On one side of each "can" there is this writing:

NATHANIEL BALDWIN
SALT LAKE CITY, UTAH
MAY 10, 1910
PAT.
SEP 14, 1915
TYPE C

Each can is black, and the two-piece headband is a tan color. There is a long cord brown cord attached to the cans and there are two tip jacks connected to the headphone cord. I hooked them up to the very high impedance headphone output of my SX-42 and found out that they still work!

Can anyone out there tell me about these? I would be very interested to know their history. Are these the famous "Baldy" cans?

Beep Beep

Adam McLaughlin KD6POC
kd6poc@juno.com
KD6POC@KD6KWM.#NOCAL.CA.USA.NOAM

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: carl yaffey <cyaffey@sprynet.com>
Subject: Need help with AT-1
Message-ID: <2.2.32.19961021191057.00700258@m1.sprynet.com>

I have a Heatkit AT-1 that "almost" works. I'm extremely rusty at fixing BA stuff, and so I'd appreciate some hints as to what's wrong with it as well as some tips for finding parts. I need:

- (1) A source for parts such as 100mmf micas, 1.1MH RF chokes, etc. Any good suppliers with catalogs out there? Someone mentioned MCM Electronics....
- (2) Tips for figuring out what's wrong. Here's what I know so far:
 - (A) When pressing the key, I hear "hash" in the receiver, and I see no movement of the meter in grid or plate positions. (Possible problem here: the meter was replaced by the previous owner but not checked out...).
 - (B) The tubes check out on a tester and they light.
 - (C) All resistors measure OK, no shorts anywhere, no opens anywhere.
 - (D) Some voltages are pretty far off:

6AG7: pin 4 (grid) is 3V instead of -95, and pin 5 (cathode) is 20V instead of 3.5.

6L6: pin 4 (screen) is 400 instead of 250, Pin 5 should be -45 but my meter goes crazy when trying to read it (RF?).

My guess is that the oscillator is not working due to one or more bad capacitors (a 15mmf and 100mmf in osc. circuit) or a bad RFC (90uH and 1.1MH in osc.). If I can find some replacements, I'm going to start changing them out. So, any ideas, folks? Am I on the right track, or am I missing something?

TNX in advance,
Carl K8NU

Carl Yaffey K8NU (ex-W4EZB) cyaffey@sprynet.com 614 268 6353 Columbus OH
Banjo player for One Riot One Ranger, independent software developer.

 /~~\\
 |#===||=====|*~*~*|
 _//

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: aculbert@pps1-po.phyp.uiowa.edu
Subject: NEED MANUALS
Message-ID: <199610211547.KAA30687@ns-mx.uiowa.edu>

Fellow BAers,

Some nice old items followed me home this weekend that I need manuals for. Have some old manuals (and / or copies) for trade, or will buy outright, or pay for copying and postage. I also have a few late 40's CQs for trade.

The units I need manuals for are:

Hallicrafters SX-101

Johnson 6N2 VFO

Johnson 6N2 receiving converter

Johnson Matchstick antenna (multiband, remotely tuned, base loaded vertical for fixed station use).

73,

Al, K0AL

allan-culbert@uiowa.edu

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Re: New Crystal Source - PHOENIX CRYSTAL (fwd)
Message-ID: <Pine.GS0.3.93.961020165513.13175F-100000@uhunix3>

I can't recall which list the discussion of CW Crystals going out of business took place on, so I'll post this on all three lists (BA, GB,

and the new Ham-AM).
Jeff KH2PZ

ANNOUNCEMENT:

Sept. 11, 1996

From: PHOENIX CRYSTALS
1714 North Ash St.
Nevada, Mo. 64772

Phoenix Crystals is commencing the manufacture of crystals targeted specifically for the radio amateur market. We plan to have AT-cut hermetically sealed plated crystals available within the next 30 to 60 days for the various amateur bands. Startup plans are to provide 80, 40 and 30 meter crystals on a 10 to 14 day shipment after receipt of orders.

Tentative pricing will be approximately \$4.95 each in single quantity. Sealed plated crystals will provide much better quality and long-term performance than the older FT-243 style crystals, and we plan on making these available in several holder styles.

For additional info contact:

John R. Morris
Phoenix Crystals
1714 North Ash Street
Nevada, Mo. 64772

phone: 1-417-667-6179 (Note: daytime phone is answered by message recorder. Mr. Morris can usually be reached after 6:00 PM CST.)

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: "Paul Bock" <pauboc@smtplink.pulse.com>
Subject: RE: NOS Bud enclosure & Millen dial
Message-ID: <9609218459.AA845920185@smtplink.pulse.com>

SOLD!

73,

Paul, K4MSG

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: "Paul Bock" <pauboc@smtplink.pulse.com>
Subject: NOS FS: Bud enclosure, Millen dial
Message-ID: <9609218459.AA845918628@smtplink.pulse.com>

Bud AU-1040-HG, 5"x6"x9" gray hammertone enclosure w/*four* panels,
NOS in original box, never assembled, drilled, marked, or even
scratched. \$15.00 ppd

Millen 10039 vernier dial, 8:1 ratio, 3.25"x4", NOS in original box &
wrapping w/allen wrench, pristine. \$18.00 ppd

\$30.00 ppd for both. E-mail replies to pauboc@pulse.com or call me
at (703) 471-2900, ext. 4536.

73,

Paul, K4MSG

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: "Lynn D. Stolz" <lynn@midohio.net>
Subject: Original Manuals FS
Message-ID: <326BBE76.5592@midohio.net>

The following manuals are all original and complete.

- 1) B&W 5100 Transmitter. Includes Addenda sheet #1. \$25 PPD
- 2) Hallicrafters HT-73. \$25 PPD
- 3) RL Drake TR-4. Schematic good for serial # 30500 up. \$25 PPD

I'll them ship priority mail.

Lynn N8AJ - lynn@midohio.net

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: "Lynn D. Stolz" <lynn@midohio.net>
Subject: Re: Original Manuals FS
Message-ID: <326BED49.2A62@midohio.net>

The 3 manuals are spoken-for.

Lynn N8AJ - lynn@midohio.net

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Please contact them, not me // Jeff KH2PZ / KH6
Message-ID: <Pine.GS0.3.93.961020142745.10336C-100000@uhunix3>

(Keep in mind these are severely edited!)

>From litigate@mi.net Sat Oct 19 21:14:49 HST 1996
I need an Alliance HD-73, CDE HAM IV or T2X. Needs to be working and the control box should be in decent shape. de Rick VE9HF.

>From joehill@mis.net Sat Oct 19 21:17:43 HST 1996
75S3B, 32S3, 312B4, 516F2. All are 100% working condition. All except 312B4 are in 8.5 condition...312B4 has some scrapes/scratches on cabinet. Have all manuals, connecting cables, etc. offer

From: wrt@eskimo.com (Bill Turner)
Wanted: 8877 tube, socket and chimney

>From allent@en.com Sat Oct 19 21:19:33 HST 1996
MY friend has a Swan 250 (6 meter) rig for sale. \$250+ship

From: Robert Rolfness <rsrolfne@atnet.net>
1 Westinghouse type WL-5736 external copper anode triode transmitting tube. Class C plate 5,000 volts and 1 amp. Used in MW-2 HF AM transmitter of the 1950s. Tube is new in original box. \$75 plus UPS
2 Eimac Air System tube socket for 4-400 [5 pins]. Believe will also work for a 3-500. \$40 plus UPS
3 Eimac Air System chimney glass for 4-400. \$25 plus UPS
4 Penta Labs 5D22 [4-400A] Zero time, 1950's pull from unused military transmitter. \$50 plus UPS.

>From virden.beckman@cleham.org Sat Oct 19 21:21:46 HST 1996
Heathkit HW 101 SSB/CW 160 - 10 mtrs, HD 10 keyer, p.s. \$175

>From ekugrad@nando.net Sat Oct 19 21:23:03 HST 1996
I have the following QST's for sell - all excellent cond. \$6 ea.
1933 April, May, Oct
1934 Feb, March, April Oct.
1935 July, Nov. Dec.
1936 Jan. Feb, March, April
1938 April
1939 May
Other Collector Radio and electronics Books. Ask for a list.

>From ekugrad@nando.net Sat Oct 19 21:24:12 HST 1996

FS: Heathkit Model AR-3 Receiver. Circa 1950's. 7 out of 10.
Works. Missing original tuning knob. in good shape. Shipped for \$50.

>From cn1135@abaco.coastalnet.com Sat Oct 19 21:24:18 HST 1996
Need mobile mounting brackets and power cords for Johnson Challenger
series mobiles.

>From hmn@i-2000.com Sat Oct 19 21:24:53 HST 1996
National NC 300 receiver - \$175.00
Hammurland HQ170A with clock - \$150.00
Pse note I will not ship. These items are for local pick-up on Long
Island, NY only.
Feel free to call me at 516-796-2366 or e-mail if you are interested.

>From ronfol@hilconet.com Sat Oct 19 21:25:05 HST 1996
I have a few new 4X150A tubes in factory sealed cans \$30 ea.

>From giraudo@sierra.net Sat Oct 19 21:25:19 HST 1996
A local ham moved and left a pickup full of treasures on my driveway.
Included was a large box of "Peanut Tubes". Anyone need any?

>From jfox@pathcom.com Sat Oct 19 21:28:55 HST 1996
A friend of mine is needing a copy of a manual/schematic for a
Heathkit AR-1B receiver.

>From mherrin@clemson.edu Sat Oct 19 21:29:08 HST 1996
I have an Eimac 4cx5000 for sale. Offers.

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Engbert Oord <engbert.oord@jet.uk>
Subject: QST Magazine/Hallicrafter SX10
Message-ID: <9610210743.AA05596@jet.uk>

Good morning

Now a really stupid question.
Recently I have acquired 7 years worth of CQ magazines(1948-1954).
Curiously they all had missing the first and last page(s?).
So the 1-st page of the shortened magazine is the one with the list
of contents.
The question is : has the previous owner only removed the front and
backpage or were there additional pages with adverts in between the
front page and the the list of contents page.

Now for something completely different.

I have made good progress with The SX10 I bought some time ago. The last problem I solved were a couple of dud capacitors in various IF cans and a loose wire in one of the IF cans. The two higher frequency bands were dead. This was due to the 6C5 local oscillator running out of steam. As I do not have a spare I used a 6J5 instead. The two higher bands do now work. Still a bit deaf though. Two things I have not been able to fix so far. The AVC does not work at all. Switching ON or OFF does not make any difference. The BFO refuses to work. Checked the tube, is okay. As all IF's were wildly off frequency I assume that the BFO oscillator coil has also been detuned. Any ideas how to check and align the BFO oscillator ? The HT is rather high in my example : 325 volts. The mains transformer looks to be very original and has about three times as much iron as really necessary. Does anybody know what a normal figure for the HT would be? (approx. 250/275 volts I would have thought).

Greetings

Engbert Oord , G7THB
JET Joint European Torus, Culham ,UK
Email : eo@jet.uk or engbert.oord@jet.uk

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Larry Keith <KQ4BY@IX.NETCOM.COM>
Subject: R-46 Speaker ID?
Message-ID: <326B3FE0.1DFC@IX.NETCOM.COM>

Nick England wrote:

>
> I am pretty sure the "cloth" on the R-46, R-46A, and R-46B was wire screen
> covered with "flocking" (little fuzzy particles). The 46 and 46A had
> gold flocking to set off the black "h", and the 46B had black flocking
> as background for the silver "h".
>

Thanks for the answer.. But, as usual in the boatanchor world, a answer triggers another question.

What are the differences in the R-46 models? What distinguishes the three variations?

73,

Larry, KQ4BY

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: mknudsen@lucent.com
Subject: Re: R390A's and supressor grid avc, continued.
Message-ID: <9610212213.AA02387@bock.ih.lucent.com>

Let's see -- to experiment with putting suppressor grid AVC on an rx, we should be able to just disconnect hte 3rd grid from ground and wire it to the cold end of the grid tank coil (eg, IF secondary) where the AGC voltage is already going to the grid?

THis is independedt of audio compression.
Tho I guess you could add an audio level detector and feed its output back to all the suppressor grids, totally independent of the rx's RF AGC system?

BTW, at a swap yesterday I saw a Central Electronics audio compressor box, that was supposed to hook between your rx's speaker terminals and your speaker. COuldn't see what was inside. Unforch, I forgot to buy it (wasn't much, maybe \$15).

Also BTW, CE really got around -- there was a TV CRT Rejuvanator by Central at this same swap meet! Had a nice meter on it, very well made, trademark CE gray with light-gray lettering. 73, mike k aa9rg

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: mknudsen@lucent.com
Subject: Re: R390A's and supressor grid avc, continued.
Message-ID: <9610212231.AA02394@bock.ih.lucent.com>

Might that coincidence tube be the same one that was made for quadrature demodulation of FM? SOrt of a passive phase-lock-loop setup. Two of its grids would have powerful control over the plate current. I think itw as used in the Heathkit TVs' sound system.
73, mike k aa9rg

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Terry Burge <terrybu@netman.ENS.TEK.COM>
Subject: recent arrival
Message-ID: <9610211602.AA21835@netman.ENS.TEK.COM>

Gang,

My most recent arrival is a National NC-183D. Pretty good shape except for the bumper stickers pasted on the sides from radio stations (why do people do these things?). Was suppose to work but only lights up (very nicely) and no audio or apparent reception according to the S-meter. Going to look nice next to the HRO-50T1. Nothing even comming thru when

tapping on the tubes so going to take some checking out but the transformer appears good since the tubes do light up.

Funny but it's almost a positive sign to me when they light up but don't receive. Means I get to burn my fingers some more on the iron. This one is going to be a keeper. Hope my new shelf can hold the weight in the radio room for all these. Might have to look into that.

Terry
KI7M

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: "Grant Youngman" <nq5t@gte.net>
Subject: Re: recent arrival
Message-ID: <199610211749.MAA25084@mail1.gte.net>

>Was suppose to work but only lights up
> (very nicely) and no audio or apparent reception according to the S-meter.

That's the definition of "works" ... At least one pilot bulb lights when the radio is turned on :-)

Grant Youngman -- NQ5T
nq5t@gte.net
[HTTP://home1.gte.net/nq5t/index.htm](http://home1.gte.net/nq5t/index.htm)
Double Oak, TX (near Dallas)

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: recent arrival
Message-ID: <199610211832.NAA05522@lesol1.dseg.ti.com>

At 01:01 PM 10/21/96 -0500, Grant Youngman wrote:

>That's the definition of "works" ... At least one pilot bulb lights
>when the radio is turned on :-)

And the definition of "works great", as I found out with my SX-28A a while back, is that a couple of stations can be received faintly.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com

Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996

From: Terry Burge <terrybu@netman.ENS.TEK.COM>

Subject: Re: recent arrival

Message-ID: <9610211854.AA05455@netman.ENS.TEK.COM>

Yep,

You are soooo right Grant. But I'm not going to complain. It is complete and in good shape and I get to fix it. What could be better?

Terry

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996

From: wj5j@juno.com (John D Hensley)

Subject: RTTY Journals et. al. for trade; CRT's - Gear wanted

Message-ID: <19961020.215711.4783.6.wj5j@juno.com>

Hello tubesters,

1. I have the following issues for trade for different issues of the same:

RTTY Journal (Trade these for any issues before 1/53, or after April 1975, or for ARTS issues)

1/53 Results of 1st RTTY Sweepstakes/

W6UPY converter

1/54 Electronic tape distributor

2/54 Receiving Converter

3/54 Rangefinders

5/54 Frequency Meter Terminal Unit

7/54 Viking VFO mod/W9CNN station

4/59 TTY Automatic Message Relay Set

4/64 AN/TT-63A Repeater

RTTY Handbook, TAB (Wayne Green) no. 597, 320 pp,
May 1972 First Edition.

HAL RTTY CT2100/2200 System manual; trade for
HAL DSR3100 or MSR3100 system manual

ARRL Handbooks (trade for '46, '47, '51, '61, '62, '71,
73, '76, '81, '83, '84, '87-'95)

1941 Good
Armed Forces Special Edition (training manual)
1942 Poor, (w/new binding=good)
1953 Very Good
1955 Very Good

Surplus Manual (trade for BC-221 FM manual...
or ARC5 book)

AN/FR-5 / U Frequency Meter (AMECO Corp !)

2. MY FSK equipment is crying for back-ups on the
1AP1, 2AP1, 5ADP7, and 3AP1 (or similar numbers);
for instance a 1AP2 or 2AP2 would give slightly slower
persistance, but would still be useable (better odd than
dead).

3. I am looking for the following FSK equipment. Any leads
or suggestions appreciated. Any donations applauded
and rewarded !

CV57A demod for parts (I purchased one but when I got
it and llooked inside, all the plug in modules were missing.
So what I got was the case! What a blunder.)

CV89A demod for parts (need the rack mount ears, replace-
ment handle mechanism, CRT, internal modules, and the
manual).

AN/URA8B Comparator. This is the center unit which was
fed by the CV89A's. Wanted in any condition. Hope it goes
without saying that a nice unit would be appreciated.

Northern Radio Type 105 (keyer: any model) and Type 174
(diversity conv.: any model)

HAL Company pcat duplex fsk I/O card for school demon-
stration use (to show students how modems can connect
radios).

Thanks for everyone's attention. Please reply by private
email. Have a good week, and.....hey, watchout for the
goblins !

73, Doug WJ5J

***** WJ5J / NNN0BXX *****
WTB: National AN/WRR-2A; Model 28 RTTY parts/crypto
WTF: XCAL for NC-300 and HRO-60; hro60 rack speaker;
Needed: 51J3/51J4 parts, speaker, filters, small knobs
Help (!): need HA20 vhf amp; p.s. for Heath KL1 (ks1).
Wanted: Books on WW2 history, Naval operations, gear.
***** wj5j @ jun0.com *****

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: Jim Barnes <barnes29@chelsea.ios.com>
Subject: S-38B Tubes
Message-ID: <1.5.4.16.19961020164540.24cf5254@chelsea.ios.com>

Gents:

Can someone send me a list of the tubes needed for the Hallicrafters
S-38B? I need to buy a set (and a manual, too, I guess...).

Thanks in advance.

Jim N4YOK

Jim Barnes -- barnes29@chelsea.ios.com

"Out on that Information Superhighway---I'm riding a moped."

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Re: S-38B Tubes
Message-ID: <68150.ddillman@igc.apc.org>

On Sun, 20 Oct 1996 16:47:00 -0500 (CDT),
Jim Barnes <barnes29@chelsea.ios.com> wrote:

> Can someone send me a list of the tubes needed for the Hallicrafters
>S-38B? I need to buy a set (and a manual, too, I guess...).

Greetings, Jim. As I'm sure others will advise, the S-38B uses,
according to Dachis: 35Z5, 50L6, 12SQ7, 12SK7, 12SA7.

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Satin Finish chemistry
Message-ID: <Pine.ULT.3.91.961021185801.16658C-1000000@dua150.kpt.emn.com>

On Thu, 17 Oct 1996, Steve Byan <steve@hi.com> wrote about producing a satin finish on aluminum.

> Using the gloves, eye protection, and a woodshop apron (wish I had a rubber
> apron), I followed the recipe for an aluminum satin finish in my 1957 ARRL
> Handbook. I dissolved about a quarter can of the lye crystals in 1/2 gallon
> of water in a plastic dishpan using a wood stick to stir the solution. I
> immersed the dial in the lye solution for about two hours. Do this outside
> as a lot of foul-smelling gas is evolved. I then poured off the lye
> solution and rinsed the dial under cold running water, rubbing hard with a
> soft cloth to remove the black crud that covered the dial (the black crud
> is technically known as "smut"). Be prepared to use lots of elbow grease.

The sodium hydroxide reacts with the aluminum to produce hydrogen gas which is very flammable and explosive. The "smut" is comprised mainly of copper which has been alloyed with the aluminum to harden it. When using this process to produce a satin-etched finish, it is best to start with soft aluminum. As a quick expedient to the lab apron, use a heavy garbage bag like a poncho with holes cut out for your arms.

> The dial came out OK; it has a very deep satin etched finish. It has two
> flaws: the dial had some corrosion pitting and this was enlarged by the
> aggressive etching, and the dial has a slight white mottling which I
> believe is due to dissolved minerals and salts in our softened well-water.
> Next time I'll cut back on the concentration of the lye solution and/or the
> etching time. I'll also use distilled water for the lye solution and as a
> final rinse after removing the smut.

Like all etching, the existing cracks and pits will be enhanced. It is best to buff these out before starting. The main reason for using this finish is to uniformly dull the aluminum surface. Some of the mottling is due to the same thing that causes smut - other metals in the aluminum that do not dissolve in the caustic like zinc and silicon. As Richard Hager pointed out and Steve surmized, 2 hours is somewhat excessive! Ten

to twenty minutes is normally sufficient.

Richard Hager noted:

> Also, better to get USP grade Sodium Hydroxide, rather than hardware
> store 'lye'. And use distilled water only. 'Lye' is full of
> contaminants that will react with the aluminum and mar it. Same with
> tap water.

If you get straight lye and not the stuff with pieces of aluminum flake in it to help unstop drains you are probably OK. Likewise distilled water is probably not needed unless your water comes from the well with a distinctly yellow color. This etching is particularly good as a first step when painting an aluminum panel. The slight roughening enhances paint adherence.

> The book "Electronic Prototype Construction" has a formula for a
> brightening dip that will remove the smut without elbow grease, but it is a
> bit beyond the hardware store/kitchen chemistry level.

I have not checked my copy of Steve Kasten's book, which is at home. Normally a weak acid dip is used in commercial applications (which may contain hydrofluoric acid if I remember correctly). I suggest that you not etch long enough to cause considerable "smut". I believe the "Naval Jelly" sold for aluminum might also work (it contains phosphoric acid).

[For those interested, Steve Kasten, the author of the book to which Bryan refers, was the friend with me at Shelby and Dayton this year.]

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: "William L. Fuqua III" <wlfluqu00@service1.uky.edu>
Subject: SG-12A/U Modification Kit
Message-ID: <199610211411.KAA11420@service1.cc.uky.edu>

Have a new in the box modification kit for
a SG-12A/U signal generator. With all necessary parts.
This appears to be a switched crystal oscillator and
buffer amplifier to produce IF frequencies. I don't know if
it was an upgrade or a replacement to solve a problem.

It produces 10 IF frequencies from around 455 KHz to
15 MHz. In a nice alum. cast box and double boxed and sealed.
Stock number 6625-606-8279 dated MAY 1959

Bill wa4lav

William L. Fuqua III P.E. E-mail WLFUQU00@POP.UKY.EDU Phone (606) 257-4155
Department of Physics and Astronomy CP-177 Chem. Phys. Bldg.
University of Kentucky , Lexington, Ky 40506-0055

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: Tom Norris <badger@telalink.net>
Subject: Someone looking for tube site. & Help me with my BA site?
Message-ID: <3.0b33.32.19961020211124.0068cb34@telalink.net>

Dave, N7RK had a question on tubes.

I have a web page up with the Millist and a tube
search available, also has a link to Bill's original
site. The URL:

<http://telalink.net/~badger/Boatanchorstuff/Millist/mi.html>

Contains useful info on older military gear, has a tube reference
link, and a coax spec table. More detailed schematics on most
of the gear coming soon. (more schematics can be found on
Bill's site, just follow the link.)

I hope to have links of pics in the future. A favor from BA list folks
that use older military gear: I need as many pictures of the actual gear
as you can send me. Please take a look at the List, and let me know
what you have. If you dont have access to a scanner, I can scan your
photos so they may be accessable from my site.

Anyone see equipment that has been left out that you may have info
on, let me know.

Tom Norris KA4RKT
badger@telalink.net Nashville, Tennessee, USA

Eagles may soar, free and proud, but weasels never get sucked into jet
engines.

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Superglue on Meter Glass
Message-ID: <Pine.ULT.3.91.961021195108.16658D-100000@dua150.kpt.emn.com>

Bob Ragain mentioned his problems when using Superglue on the glass front of a panel meter.

> I tried to glue that meter's glass back together with it on the meter.
> That worked as far as the broken glass was concerned, but, what I didn't
> expect was the effect on the painted stuff inside the meter. The fumes of
> the superglue peeled the orange paint off the pointer and wrinkled the
> painted numbers on the scale. Definitely glad this was a junkbox meter!

Superglue is, of course, cyanoacrylate glue. It is extremely useful for certain things but Bob discovered one of its negative aspects. The glue has a significant vapor pressure and the solvents can attack many plastics and paints. Something else you may notice when using it is the way it produces a "blush" in the immediate area around where it is used. This is because the glue is surface catalyzed with moisture as the catalyst. This property accounts for its use in "developing" or enhancing fingerprints in criminal investigations.

This haze or "blush" is normally easily removed with a little polishing. In a situation like Bob describes, however, the superglue can also produce its "blush" on the inside of a sealed meter. I generally avoid using it unless the surface can be polished after its use.

The manufacture and packaging of superglue is pretty interesting too.

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: tomrice@netcom.com (Tom R. Rice)
Subject: Re: Superglue/meters: the answer!
Message-ID: <199610202058.NAA28697@netcom17.netcom.com>

> I tried to glue that meter's glass back together with it on the meter. That
> worked as far as the broken glass was concerned, but, what I didn't expect
> was the effect on the painted stuff inside the meter. The fumes of the
> superglue peeled the orange paint off the pointer and wrinkled the painted
> numbers on the scale. Definitely glad this was a junkbox meter!

The stuff to use for repairing loose or missing meter glass is, strangely enough, watch crystal cement.

Germanow-Simon Corp., PO Box 1091, Rochester, NY 14603-1091

makes a product called G-S Hypo-Tube Cement, which comes with a teensie-weensie hypo-needle applicator. It's the right stuff!

I got mine at a local lapidary/jewelry supplies shop, but the manufacturer can certainly aim you toward their outlets.

--

"Start off every day with a smile and get it over with." --W.C.Fields
Tom R. Rice
tomrice@netcom.com
CIS: 71160,1122

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Suppressor grid AVC
Message-ID: <9610211256.AA12184@ferry>

- Greetings -

Mike Knudsen reiterated the question of suppressor grid AVC, and it is a good question. He raised the point that the suppressor may not have much effect on tube gain. The plate current can be cut off by lowering the suppressor voltage, but this is more like triode action and does not change the gain all that much. It will, however, send all the electrons to the screen, which may not be a good idea.

Since the suppressor is next to the plate, it will have a lower gain and require more AVC voltage for whatever change it may make, relative to the control grid.

AVC is usually applied to remote cutoff pentodes. In these, the control grid is wound with variable pitch or with some other technique which gives a similar effect, one of not cutting off the plate current completely until quite a negative voltage has been achieved. Now it becomes apparent that a strong signal pushes the gain factor of a remote cutoff pentode back and forth across its variable gain region. This will introduce second harmonic distortion.

Yes, most of the old compander plans I remember used the 6L7. Maybe I should work myself upwards in history to the 6BE6.

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: wj5j@juno.com (John D Hensley)
Subject: Surplus Conversion Manuals Volumes 1 and 3: Update
Message-ID: <19961020.215711.4783.8.wj5j@juno.com>

Good morning to everyone,

The first batch of manuals was shipped Friday October 18th and therefore should begin arriving at destinations this week. They were carefully wrapped and enclosed in business envelopes and should be in good shape when you receive them.

They were not bound to allow for personal differences in how one likes to use a manual, but you might want to have your local copy center plastic bind (also called engineering punch binding--the rectangular holes along the seam grasped by the plastic fingered clasp) it. The advantage is that you can lay it flat, fold it back, etc. and get much more use than a 3 hold punch method.

IF ANYONE ELSE WOULD LIKE TO HAVE COPIES of these, please contact me so that I can count you in. These are a considerable amount of work and the upcoming second batch will be it for this year. There is no profit made and no profit intended. Whatever is left over goes in the poor box at St. Aloysius.

Best Regards,

Doug WJ5J

< wj5j @ juno.com >

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Steve Ellington <n41q@iglou.com>
Subject: SWAN QUESTION
Message-ID: <Pine.GS0.3.93.961021102127.24481A-1000000@iglou1>

Who was the SWAN person who offered MANUALS on here?
Some guy on rec.equip wants info. I'll be glad to relay.
He wants a manual for the Swan 700cx

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: hdmeitzen@champion.aclic.com (HD Meitzen)
Subject: SX101,HR060 coils,SX71,NC303
Message-ID: <9610211307.124C84@champion-0643.aclic.com>

I acquired some boat anchors that need repair.

1. Need a front panel and cabinet for SX101. It works but its a mess.
2. Need a ant trim knob for SX101.
3. Need a audio volume knob for HR060.
4. Need a BFO knob for a SX71.
5. I need a 2X4 or 2ea 1X4 ant. switches. email price shipped or what you got.
6. Looking for a NC303 with 2,6,1.25 converters. Will pay money or trade Collins R390A. Have other things what are you looking for? Have a little money too.

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: BEN NOCK <106312.1035@compuserve.com>
Subject: TO Doug Ripka
Message-ID: <199610211522_MC1-B23-CE8D@compuserve.com>

Message-ID: <199610191448_MC1-B1E-2EC3@compuserve.com>

Hi Doug, ok on key, no probs with money, I have US\$ here. OK that you have a No 8, they are the most common key here also. I'll see what I can locate at rallies etc coming up.

Cheers, Ben G4BXD

Hi Doug, sent the above message to your address, but it was returned undelivered.

Hope you get it this way.

Ben G4BXD.

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: TopBand: Alexanderson Alternator (fwd)

Message-ID: <Pine.GS0.3.93.961021121921.1943D-100000@uhunix5>

Now boys, you've got to be more careful not to miss things such as what follows (again!):

----- Forwarded message -----
From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: "Chuck Rippel" <crippel@exis.net>
Subject: RE: Tucker
Message-ID: <199610210411.AAA13082@marlin.exis.net>

I saw Tucker mentioned on the list and a friend had forwarded me this press release so I thought I'd share it.

HAM RADIO OUTLET PURCHASES

ASSETS OF TUCKER ELECTRONICS

AMATEUR RADIO BUSINESS

FOR IMMEDIATE RELEASE

FOR FURTHER INFORMATION CONTACT

John F. Holloran, Jr.

(214) 348-8800 x8363

jhholloran@tucker.com

DALLAS, October 16 - Tucker Electronics Company, a distributor of new and reconditioned electronic test & measurement equipment, amateur and shortwave radios, and electronic hobbyist products announced today it had agreed to sell substantially all of its assets related to its amateur radio business to Ham Radio Outlet ("HRO").

Tucker Electronics has discontinued operations of its retail store and consumer mail-order business, and the company will immediately begin to transfer the purchased assets to HRO's stores. Tucker plans to market its vintage radios and any inventory not acquired by HRO on its website (www.tucker.com) in early November.

The sale of its amateur radio business will allow Tucker Electronics to focus on its core business, distributing new and reconditioned electronic test & measurement equipment.

+++++

Chuck Rippel Real Radios Were Made in
crippel@exis.net Cedar Rapids, Iowa
Collins Collectors Association
+++++

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: Tucker sell off on their web page
Message-ID: <199610210115.VAA16360@itchy.mindspring.com>

Gang,

A second message from Tucker says that all of the amateur gear and
boatanchors not transferred to HRO will be sold on their web page.

Quote-----

Tucker Electronics has discontinued operations of its retail store and
consumer mail-order business, and the company will immediately begin to
transfer the purchased assets to HRO's stores. Tucker plans to market
its vintage radios and any inventory not acquired by HRO on its website
(www.tucker.com) in early November.

End Quote-----

Let the fun begin...(In november)??

Dave K4JRB

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: Richard Hager <rhager@millcomm.com>
Subject: Re: Tunnel diodes
Message-ID: <326AAC72.2E54@millcomm.com>

E.V. Sandy Blaize wrote:

> I'm looking for a tunnel diode or two that will substitute
> for the one in the old Heathkit Tunner Dipper!
> E. V. Sandy Blaize, W5TVW--

Hello tunnelers,

I found the old GE book, but did not find the 1N829 listed. I also
looked in old Mot and TI books to see if it was listed there as some

other kind of diode. No joy. The mystery part!

In my GE book, most of the numbers are in the 1N2941 series. Many of the pulls I have from old sampling plugins are 1N3714, 15, 16 series. If someone has a spec on 1N829, please write.

Sandy, what is the part number of your Heath diode?

Richard Hager

+ Ah-ha! Design Group, Inc. -
+ Precision CNC Technology, since 1991 -
+ 612-641-1797, Fax: 612-641-8681 -
+ "I just like to build stuff" So... -
+ for CNC info, don't email me, call -
+ or email Ah-ha! directly. Thanks! -
+ www.gdic.com/ahha email: ahha@gdic.com -

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996

From: Richard Hager <rhager@millcomm.com>

Subject: Re: Tunnel diodes

Message-ID: <326AB244.D7A@millcomm.com>

Richard Hager wrote:

> Hello tunnelers,
> I found the old GE book, but did not find the 1N829 listed. I also--

Sorry, that should be 1N929, not 829.

Richard Hager

+ Ah-ha! Design Group, Inc. -
+ Precision CNC Technology, since 1991 -
+ 612-641-1797, Fax: 612-641-8681 -
+ "I just like to build stuff" So... -
+ for CNC info, don't email me, call -
+ or email Ah-ha! directly. Thanks! -
+ www.gdic.com/ahha email: ahha@gdic.com -

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996

From: John Kolb <jlkolb@cts.com>

Subject: Re: Tunnel diodes

Message-ID: <Pine.SC0.3.91.961020184139.27484A-100000@sd.cts.com>

On Sun, 20 Oct 1996, Richard Hager wrote:

> E.V. Sandy Blaize wrote:

>

> > I'm looking for a tunnel diode or two that will substitute

> > for the one in the old Heathkit Tunner Dipper!

>

> Sandy, what is the part number of your Heath diode?

Tunnel diode in the Heath tunnel dipper is GE STD 633.

John

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996

From: Stanley Wilson <microres@crl.com>

Subject: Re: Tunnel diodes

Message-ID: <Pine.SUN.3.91.961020193601.3341A-100000@crl3.crl.com>

1N829 same specs as 1N821

Listed as zener 6.2 v @ 7.5 mzz DC Power 400 mW

Per Motorola Semiconductor Data Book 5th edition from 1970

de stan ak0b

From boatanchors@theporch.com Mon Oct 21 00:49:52 1996

From: Stanley Wilson <microres@crl.com>

Subject: Re: Tunnel diodes

Message-ID: <Pine.SUN.3.91.961020194223.3341B-100000@crl3.crl.com>

1N929 PRV 20 volts, Vf of 1.0 volts @ 20 ma, Ir 0.1 ma. Listed as a
signal diode in Motorola data book. de stan ak0b

On Sun, 20 Oct 1996, Richard Hager wrote:

> Richard Hager wrote:

>

> > Hello tunnelers,

> > I found the old GE book, but did not find the 1N829 listed. I also--

>

> Sorry, that should be 1N929, not 829.

>

> Richard Hager

>
> + Ah-ha! Design Group, Inc. -
> + Precision CNC Technology, since 1991 -
> + 612-641-1797, Fax: 612-641-8681 -
> + "I just like to build stuff" So... -
> + for CNC info, don't email me, call -
> + or email Ah-ha! directly. Thanks! -
> + www.gdic.com/ahha email: ahha@gdic.com -
>

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: Tunnel diodes
Message-ID: <199610212130.0AA08834@desiree.teleport.com>

>E.V. Sandy Blaize wrote:
>
>> I'm looking for a tunnel diode or two that will substitute
>> for the one in the old Heathkit Tunner Dipper!
>> E. V. Sandy Blaize, W5TVW--
>
>Hello tunnelers,
>
>I found the old GE book, but did not find the 1N829 listed. I also
>looked in old Mot and TI books to see if it was listed there as some
>other kind of diode. No joy. The mystery part!
>
>In my GE book, most of the numbers are in the 1N2941 series. Many of the
>pulls I have from old sampling plugins are 1N3714, 15, 16 series. If
>someone has a spec on 1N829, please write.
>
>Sandy, what is the part number of your Heath diode?
>
> Richard Hager

Hi Richard,

If you want to send me one of your "tunnel diodes", I will be glad to put it on my 575 Curve Tracer (at least IT has tubes in it) and see if it "tunnels" or not and what current it tunnels at.

BTW, Tek has used several different tunnel diodes with the same current rating in the past so I think there are other parameters of TDs that are important to proper function in the circuit other than firing current. I would suspect that "junction capacity" would be important to how fast they would work in a fast sampling trigger circuit, for example. But, I'm not a device engineer so I could be all wet on this . . .

Stan w7ni@teleport.com

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.UNET.dec.com>
Subject: Various O'scope CRTs
Message-ID: <9610211846.AA13339@us2rmc.zko.dec.com>

I managed to acquire a cache of various O'scope CRTs. I'm hoping you fellow BAers can help me identify the models for which they would be useful. (Some I already know [thanks to Stan's book] but others are a mystery.)

After that, I'll know which are excess and I'll be offering them here. BTW, some of them are clearly new, while most are used. Some are marginal but would certainly be better than a busted tube.

All information very much appreciated. Here are the tubes I have:

Dumont	5ADP11 w/ blue filter (may be 5ADP1)	round
Tek	154-0098-00 (new)	round
United	5AQP31A	round
Tek	154-0513-00 (possibly used)	round
Philips	D14-251GM/A	rect
Tek	51P2 154-?81 (may be -081 or -281)	round
Tek	154-0454-00	
Tek	T543P11 (154-0081-00?) (Loose base)	
Dumont	D14-162GH/09	rect
HP	5083-5861	rect
Dumont	D14-162GH/09	rect
Tek	154-0659-10	rect
Tek	154-0763-00 (new)	round
Tek	154-0492-04 (burned screen)	rect
Tek	5BGP2 (1-42764 154-0175-00?)	round

73

- Mark N1VQW

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Eugene Rippen <soundval@foothill.net>
Subject: VFO for CE 20A WTB
Message-ID: <326BC56D.2758@foothill.net>

I sold my Central Electronics 20A. The person to whom I sold it would like to have the VFO to match.
I told him I would post this and see if I could come up with one.

Gene

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: carl yaffey <cyaffey@sprynet.com>
Subject: WANTED: meter for AT-1
Message-ID: <2.2.32.19961021212248.00705264@m1.sprynet.com>

I'm looking for a meter for the Heathkit AT-1. I'd also be interested in a "parts" AT-1 (with a working meter, of course!). TNX es 73, Carl K8NU

Carl Yaffey K8NU (ex-W4EZB) cyaffey@sprynet.com 614 268 6353 Columbus OH
Banjo player for One Riot One Ranger, independent software developer.

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  /~~\\
 |#===||=====|f***|
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From boatanchors@theporch.com Mon Oct 21 00:49:52 1996
From: davidh@getnet.com (Dave Hollander - N7RK)
Subject: website on tubes??
Message-ID: <v01510101ae903f620738@[206.85.129.139]>

This message came to me today and I have no idea about this websight. If anyone knows please post to list and reply to person in message below.

Thanks,

Dave N7RK

>To: davidh@getnet.com
>Date: Sun, 20 Oct 1996 00:23:22 PST
>Subject: website
>X-Juno-Line-Breaks: 0-2,7-12
>From: dsndblm@juno.com (David K Sundblom)
>
>Hi
>I looked at your website tonight and thought it was great!
>
>I'm wondering if you could help me out with a bit of information? I'm
>looking for a webpage made by a ham enthusiast named Bill. His site
>deals with vacuum tubes. He has an excellent cross reference guide and

>pin diagrams for hundreds of tubes. I think he lives in central or
>southern arizona.
>
>Thanks and keep up the great work!
>
>David Sundblom

Dave N7RK - Webmaster CADXA
Phoenix, Arizona *DXCC Honor Roll* *WAZ#23 - 75 Meter SSB*

ex-N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK

davidh@getnet.com	\\-// (o!o)	http://www.getnet.com/~davidh
-----oo00-()-00oo-----		
E-Mail Address		My Home Page

Visit the Central Arizona DX Association Home page ---
<http://www.getnet.com/~davidh/cadxa.html>

From boatanchors@theporch.com Mon Oct 21 19:37:49 1996
From: jmccarty@lucent.com (John J Mccarty)
Subject: WTB TCS parts
Message-ID: <199610212046.PAA21647@nwsdpa.ih.lucent.com>

After fighting a TCS-12 rx on and off for about four months, I finally got it working. The final problem was an air cap that had the rotor come loose and short. To complete this project, I was wondering if any one has these peices for this rx that they wouldn't mind parting with:

- R.F. gain control pot with switch
- Front name tag
- I.F. x-former (fixed mine, a spare couldn't hurt)
- Shock mount and base

Found a half dozen resistors that had doubled in value, but had

replacements for them. Also, if someone had the male power connector from the front of a junk x-mitter, it would make my life a lot easier.

Tnx + 73

John McCarty
n9hrt
jmccarty@lucent.com

From boatanchors@theporch.com Mon Oct 21 14:29:40 1996
From: Bob Reynolds <breynold@sigg.com>
Subject: Zenith and Central Electronics -Reply
Message-ID: <96Oct21.090434cdt.19615@firewall.sigg.com>

Also, Zenith was started by 9ZN, building ham gear in his kitchen
!!!

>>> Bill Sorsby <bill.sorsby@dlep1.itg.ti.com> 10/18/96 03:33pm
>>>

While perusing Moore's book on transmitters I happened to notice that Zenith took over Central Electronics in 1959. Three years later, in 1962, Zenith shut down Central Electronics.

It seems that Heathkit was not Zenith's only excursion into amateur radio.
How's the saying go... History repeats itself.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.
